

Claims

What is claimed is:

1. A housing for a mobile terminal comprising:
a top portion configured to accept an accessory for a mobile terminal with a bar code reader, *via* a rail frame affixed to an accessory compartment of the top portion, the rail frame comprising a mounting component that engages with the accessory and guides the accessory into the compartment, the rail frame further comprising a locking component that engages the accessory within the top portion; and
a bottom portion with a handle configured to be held in the palm of a hand.
2. The housing of claim 1, the mounting component and the locking component located at an end of the rail frame.
3. The housing of claim 1, the rail having a channel shaped or tapered cross section.
4. The housing of claim 1, the rail selected from the group consisting of metal and plastic.
5. The housing of claim 1, the handle comprising a handle compartment for hosting a stylus of the mobile terminal.
6. The housing of claim 5, the handle compartment further comprising sculpted ribs on an inner side as to guide the stylus therewithin.
7. The housing of claim 1, the bottom portion comprising a mass element for lowering a center of gravity of the mobile terminal.
8. The housing of claim 7, the location of the mass element being adjustable for balancing a weight of the terminal according to a user's preference.

9. The housing of claim 1, the bottom portion further comprising shock isolation in a form of a rubber component with a grove.
10. The housing of claim 9, the rubber component insert molded as part of the bottom portion.
11. The housing of claim 1, the handle further comprises a neck grip feature as a raised projection protruding out therefrom.
12. The housing of claim 11, the neck grip feature insert molded as part of the handle.
13. The housing of claim 11, the neck grip feature placed on an opposite side of a trigger of the handle.
14. The housing of claim 11, the neck grip feature provides a rest region for a user's hand.
15. The housing of claim 1, the top portion adapted to accept a key pad *via* a transitional frame.
16. The housing of claim 10, the top portion or the transitional frame includes a latching assembly.
17. The housing of claim 15, the key pad has a width larger than a width of the top portion of the housing.
18. A mobile terminal comprising:
 - a memory unit;
 - a display mounted on a top surface of a housing for the mobile terminal;and

a key pad with at least one further display mounted on a side, the display and the further display for displaying a data stored in the memory unit or inputted via the keypad.

19. The mobile terminal of claim 18, further comprising a transitional frame for mounting an oversized key pad.

20. The mobile terminal of claim 18, further comprising:
a laser emitting components emitting a laser beam at a first angle of about 207° , the first angle defined in a vertical plane that symmetrically divides the mobile terminal in two halves, the first angle being measured clockwise with an initial side substantially parallel to a handle and an extended side substantially defining the laser beam path with a vertex positioned within the top housing.

21. A mobile terminal comprising:
a CPU;
a bar code reader
a display unit; and
a key pad having at least one LED being activated upon a change of mode or function of the mobile terminal, as to alert a user of the change by at least one of a color of the LED and brightness of the LED.

22. A mobile terminal comprising:
a top housing configured to accept an accessory for the mobile terminal *via* an interface means affixed to an accessory compartment of the top housing;
a bottom housing with a handle configured to be held in the palm of a hand; and
a key pad with alerting means being activated upon a change of mode or function of the mobile terminal, as to alert a user of the change.

23. A mobile terminal comprising:
a bar code reader; and

a modular counter-weight that facilitates establishing a center of gravity of the device to facilitate holding the device.

24. A portable bar code scanning device, comprising:
means for reading a bar code; and
means for establishing a center of gravity of the device to facilitate holding the device.
25. A key pad for incorporating with a mobile terminal comprising:
an LED for lighting a surface of the key pad upon a change of mode or function of the mobile terminal, as to notify a user of the change.
26. The keypad of claim 25, the lighting comprises a change of brightness.